ANARTS News Bulletin 953 06 APRIL 1997

This is the Australian National Amateur Radio Teleprinter Society
with our weekly Rtty Broadcast. We transmit on the following
frequencies and times :

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  3.545 MHz (Plus/minus 5)   0930 UTC     VK2CTD (COL)
  7.045 MHz  -3              0030 UTC     VK2CTD (COL)
 14.070 MHz (amtor/fec)      0030 UTC     VK2DPM (ALAN)
 14.091 MHz                  0030 UTC     VK2DPM (ALAN)
146.675 MHz             0030/0930 UTC     VK2JPA (PAT)
144.850 MHz (ax25 bbs)                    VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)         VK2RTY
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INTERNET RADIO-INFO-DIST AT UCSD.EDU

Views expressed in this news bulletin are not necessarily
those of the Broadcast Officer, the Relay Officers, or of the
Society.

F L A S H F L A S H F L A S H F L A S H F L A S H

A RTTY PICTURE APPEARS AT THE BEGINNING OF THE VK2SG DXNOTES.....
PSE DO NOT ADJUST YOUR TRANSCEIVER THINKING PERHAPS YOU ARE
RECEIVING THE CAST CORRUPTED......

A.N.A.R.T.S. News Bulletin 953 06 APRIL 1997

COLS COLUMN

JOSEPH HENRY AND MICHAEL FARADAY CARRIED OUT VERY SIMILAR EXPERIMENTS AT ALMOST THE SAME TIME, WITHOUT EITHER OF THEM KNOWING OF THE OTHERS WORK. FARADAY KEPT RECORDS OF HIS WORK AND PUBLISHED THE RESULTS AND WAS THEREFORE ACKNOWLEDGED AS THE DISCOVERER OF ELECTROMAGNETIC INDUCTION. HENRY DESCRIBED HIS DISCOVERY OF THE SAME PHENOMENA IN A PAPER DATED 1832.

HE DID NOT FULLY UNDERSTAND HIS DISCOVERY. HE DID HOWEVER TAKE NOTE OF THE STRIKING EFFECTS WHICH HE LATER KNEW WERE DUE TO SELF INDUCTION. AT THE END OF HIS PAPER HE SAYS 'I MAY HOWEVER MENTION ONE FACT WHICH I HAVE NOT SEEN NOTED IN ANY WORK AND WHICH APPEARS TO ME TO BELONG TO THE SAME CLASS OF PHENOMENA AS THOSE BEFORE DESCRIBED. IT IS THIS : WHEN A SMALL BATTERY IS MODERATELY EXCITED BY DILUTE ACID AND ITS POLES, WHICH MUST BE TERMINATED IN CUPS OF MERCURY, ARE CONNECTED BY A COPPER WIRE NOT MORE THAN A FOOT IN LENGTH, NO SPARK IS PERCEIVED WHEN THE CONNECTION IS EITHER MADE OR BROKEN. BUT IF A WIRE THIRTY OR FORTY FEET LONG BE USED, INSTEAD OF THE SHORT WIRE, THOUGH NO SPARK WILL BE PERCEPTIBLE WHEN THE CONNECTION IS MADE, YET WHEN IT IS BROKEN BY DRAWING ONE END OF THE WIRE FROM THE CUP OF MERCURY, A VIVID SPARK IS PRODUCED....THE EFFECT SEEMS TO BE INCREASED BY COILING THE WIRE INTO A HELIX'.

THE 'VIVID SPARK' WAS THE SPARK THAT IS ALWAYS OBTAINED WHEN A HIGHLY INDUCTIVE CIRCUIT IS BROKEN. THE COLLAPSING FIELD CUTS THE TURNS OF WIRE, INDUCING A HIGH VOLTAGE IN THE WINDING WHICH ACTS IN SUCH A DIRECTION AS TO MAINTAIN THE CURRENT FOR A FRACTION OF A SECOND.

73S FOR NOW DE COL VK2CTD.

EA RTTY CONTEST 1997 RULES

Organized by "UNION DE RADIOAFICIONADOS ESPANOLES (U.R.E.)", the EA RTTY CONTEST was created to promote activity in RTTY mode and is open to radio amateurs world-wide.

DATE: l6OO Z Sat. to l6OO Z Sun., ApriI 5 - 6, 1997

MODE: RTTY-BAUDOT

BANDS: 10, 15, 20, 40 and 80 meters, according to IARU band plans.

CLASSES: a) Single operator all band.
b) Single operator single band
c) Multi operator all band only
d) SWL

CALL: "'CQ EA TEST"

MESSAGE: RST and CQ Zone.
EA Stations send RST and "PREFIJO PROVINCIAL".

POINTS: 10, 15 and 20 meters bands, one for contact within own continent, two for contact outside own continent. On 40 and 80 meters bands, three for contact within own continent, six for contact outside own continent.

Contacts between stations in the same DXCC country are valid for multiplier credit, but have zero point value.

Contacts between stations world-wide are valid.
It is not necessary to contact EA stations.

MULTIPLIERS: DXCC COUNTRIES and Spanish Provinces (PREFIJOS PROVINCIALES) on each band.)

** Note: The first QSO with an EA, EA6, EA8, EA9 station on each band, will count as two multipliers. DXCC Country + Province.

CQ Zones DO NOT count as multipliers.

The Spanish "Prefijos Provinciales" are:

A-ALICANTE	AB-ALBACETE	AL-ALMERIA	AV-AVILA	B-BARCELONA
BA-BADAJOZ	BI-BILBAO	BU-BURGOS	C-LA CORUNA	CA-CADIZ
CC-CACERES	CE-CEUTA	CO-CORDOBA	CR-CIUDAD REAL	
CS-CASTELLON	CU-CUENCA	GC-G.CANARIA	GI-GIRONA	GR-GRANADA
GU-GUADALAJARA	H-HUELVA	HU-HUESCA	J-JAEN	L-LERIDA
LE-LEON	LO-LOGRONO	LU-LUGO	M-MADRID	MA-MALAGA
ML-MELILLA	MU-MURCIA	NA-NAVARRA	O-OVIEDO	OR-ORENSE
P-PALENCIA	PM-PALMA de MALLORCA		PO-PONTEVEDRA	
S-SANTANDER	SA-SALAMANCA	SE-SEVILLA	SG-SEGOVIA	SO-SORIA
SS-SAN SEBASTIAN	T-TARRAGONA	TE-TERUEL	TF-TENERIFE	TO-TOLEDO
V-VALENCIA	VA-VALLADOLID	VI-VITORIA	Z-ZARAGOZA	ZA-ZAMORA

FINAL SCORE: Total points in all bands x total multipliers in all bands.

TROPHIES: Award and plate to winner in class A. Award to winners in class B), C) and D)

LOGS: Use separate log sheet for each band. Include a summary sheet

showing the scoring and other essential information. Official log forms are recommended. Mailing deadline for all entries is May 10th 1997, to:

EA RTTY CONTEST MANAGER
ANTONIO ALCOLADO (EA1MV)
P.O.BOX 240
09400 ARANDA DE DUERO (BURGOS)
SPAIN.

IPS WEEKLY SOLAR AND GEOPHYSICAL REPORT
(28 MARCH - 03 APRIL)

ISSUED ON 04 APRIL 1997

SUMMARY

Date	28	29	30	31	01	02	03
10cm	73	75	74	75	76	81	79
A	12	14	9	7	11	9	(10 ESTIMATED)
T	10	11	11	10	21	16	9

SOLAR ACTIVITY WAS VERY LOW 29TH TO 31ST MARCH, LOW ON 28TH AND 2ND TO 3RD APRIL, AND MODERATE ON 1ST. THERE WAS AN M1.9 FLARE AT 1348 UT ON 1ST.

GEOMAGNETIC ACTIVITY AT LEARMONTH W.A. WAS QUIET TO 1500 UT, THEN INCREASED TO ACTIVE TO MINOR STORM LEVELS ON 28TH MARCH; QUIET TO UNSETTLED 30TH, 31ST MARCH; 2ND AND 3RD APRIL; UNSETTLED TO ACTIVE 29TH MARCH AND 1ST APRIL.
FREQUENCIES WERE MOSTLY NEAR PREDICTED VALUES, WITH SLIGHTLY ENHANCED CONDITIONS AT TIMES ON 31ST MARCH AND 1ST APRIL, AND WITH AN EARLY SLIGHTLY DEPRESSED PERIOD ON 3RD APRIL. SPREAD F WAS PRESENT AT TIMES ON 29TH TO 31ST.

FORECAST (04 APRIL - 10 APRIL)

SOLAR: LOW TO VERY LOW.

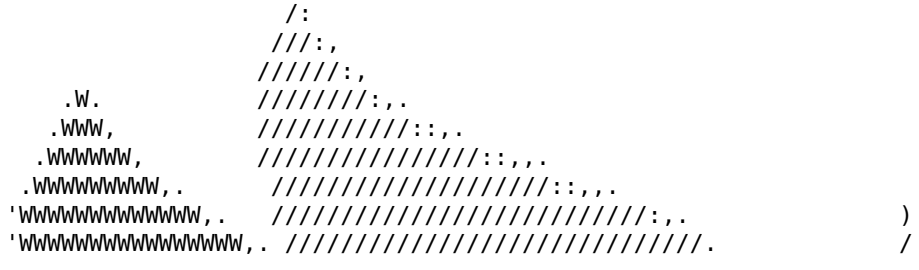
GEOMAGNETIC: QUIET TO UNSETTLED.

FREQUENCIES: NEAR PREDICTED MONTHLY VALUES FOR LOW- AND MID-LATITUDES AND UP TO 15 PER CENT DEPRESSIONS WITH NIGHTTIME SPREAD F FOR HIGH-LATITUDES.

COURTESY OF IPS RADIO AND SPACE SERVICES

RTDX0328 RTTY DX
VK2SG RTTY DXNOTES FOR WEEKENDING MARCH 28 1997 (BID RTDX0328)

I5FLN, Luciano in Florence, wishes you : a Peaceful EASTER



AND MAY ALL YOUR DAYS BE FILLED WITH LOVE AND JOY.................

Our thanks this week go to: ZS5S, W2JGR, WB2CJL, WX5L,W5KSI, AA5AU,
KB2ZP, WS7I, SP4TKK,PA0HVF, DK3CU, EI5IF, DF2KU, I5IGQ,IK1HSR,I1JQJ
and the 425 DX gang, DJ3IW and the Central-Europe DX Cluster DB0SPC
the NJ0M Node of Minnesota and the IK5PWJ Cluster.

BANDPASS:

FRIDAY 21
0843-14082 4L1BR Qsl via SP7MTL
1313-14083 PZ1BS
1324-14085 KG4GC
1329-14084 EX7MA Qsl via IK2QPR
1414-14082 A92GD
1512-14087 4X4DX
1517-14086 UT0ZZ
1710-14084 TF3FK
1823-14085 ZP5ALI
1912-14079 OY4TN
2057-14082 9Q5PA
2114-14082 GW4TGT
2151-14084 P4/KB4DZP

SATURDAY 22
0009-14084 XE3WAO
0026-14084 HF0POL
0106-14085 VP8CKN
0145-14075 CX7BF
0622-14082 9K2HN
0840-21081 VK3AMK
0928-14083 CN8NY
1023-14081 J42TCE
1127-14082 OY4TN
1131-14083 SV2ASP/A
1211-14080 4Z4DX
1231-14084 YL2DX
1416-14082 TP9CE
1418-14085 UA2AO
1508-14082 4L1BR

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1512-14089 EU1DX
1528-14092 UY0KC
1528-14082 YB5NOF/8
1644-14087 OD5NJ
1948-14084 HA2VB
1846-14083 9Q5PA
2044-14086 YV5ABH
2050-14083 FG5GG
2138-14085 ZP5ALI
2200-14084 UA0FZ
2318-14081 P4/KB5DZP
2348-14087 PZ1BS

SUNDAY 23
0018-14080 P4/KB5DZP
0324-14085 YV5ABH
0342- 7086 XE1FES
0634-14080 VK3AMK
0837-14086 XT2DP
0928-14084 TF3FK
1228-14081 EU1DX
1231-14083 HF1GD Qsl via SP2BIK
1301-14088 YL2DX
1307-14084 EX7MA
1308-14089 UT0ZZ
1327-14083 GI4WXA
1327-14082 4L1BR
1332-14083 RU3AT
1337-14080 UN5PR
1349-14084 EX7MA
1417-14087 UA2AO
1529-14082 ER3KS
1534-14082 HH2LE
1554-14081 A61AN
1633-14081 HK3BZO
1645-14089 YL2DX
1741-14082 4Z4DX
1731-14084 ZP5ALI
2308- 3581 T77WI

MONDAY 24
0024-14084 UA0SMF
1332-14084 VU2GPM
1557-14079 A61AN
2218-14083 HH2LE

TUESDAY 25
0129-14084 T22MS
0407- 7081 XQ8ABF
1150-14082 R1FJR
1414-14085 YB5NOF/8
1622-14083 LZ1LZ
1731-14079 VU2MT
1739-14083 SV1ADG
1810-14084 OY4TN
1813-14083 4L1BR
1921-14083 HH2LE
2059-14083 HK1LAQ

WEDNESDAY 26
0900-14085 T22MS
1254-14085 OA4DHW
1258-14083 HK0DPA
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1259-14089 YL2DX
1318-14088 8P9IJ
1616-14088 YB5NOF/8
2250-14083 HP1XBH

THURSDAY 27
0144-14086 OA4DHW
0739-14085 VE8RCS
0916-14085 T22MS
1116-14080 R1FJR
1250-14083 YB5NOF/8
1344-14091 T88JA
1658-14087 4Z5AO
1732-14090 8P9IJ
1921-14083 WP4Q

NOTE OF INTEREST:

QUATAR, A71. Received an Internet note from Jean Jacques, formerly J28JJ. Jean is now on Qatar and it allowed to operate A71A the club station were he go some saturday to operate RTTY. He promised to be active as many as possible.

GUAM, KH2. For those needing that one on rtty look for Jeff, N4UQM he is QRV on 80, 40 and 20 meters. QSL via WB4UBS.

The VK2SG RTTY DXNOTES are also available on Internet at reflector digital-dx at st.rim.or.jp. See also the OH2BUA WebCluster at URL http://www.clinet.fi/~jukka/rtty.html

For next week's bulletin send your bandpass to Bob, WB2CJL at W5KSI.(hashsign)NOLA.LA.USA.NA or e-mail wb2cjl at juno.com

Gl de (DX2) Luciano, I5FLN

Luciano Fusari
E-mail: i5fln at iol.it
Florence, Italy
VHF Packet : I5FLN at IK5MEP.ITOS.ITA.EU
HF Pactor : I5FLN at ZS5S.ZAF.AF

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD at VKWI2, or the Secretary (Pat) VK2JPA at VK2WI.

News items may be sent to Broadcast Officer PO Box 60 Blacktown 2148 Australia, or fax to (02) 9672-3392, or by packet to VK2JPA at VK2WI.

Email address for the Broadcast Officer is :

patl(at)pitt.conmusic.su.oz.au
or patl(at)extro.ucc.su.oz.au

The Society welcomes news items on any digital subjects from anywhere in the broadcast coverage area. We are looking for-ward to news from your areas to let other amateurs know what

you are doing in the hobby. Hope to hear from you.

73s de Pat VK2JPA Broadcast Officer

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Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2KFU.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99